

FIG. 2

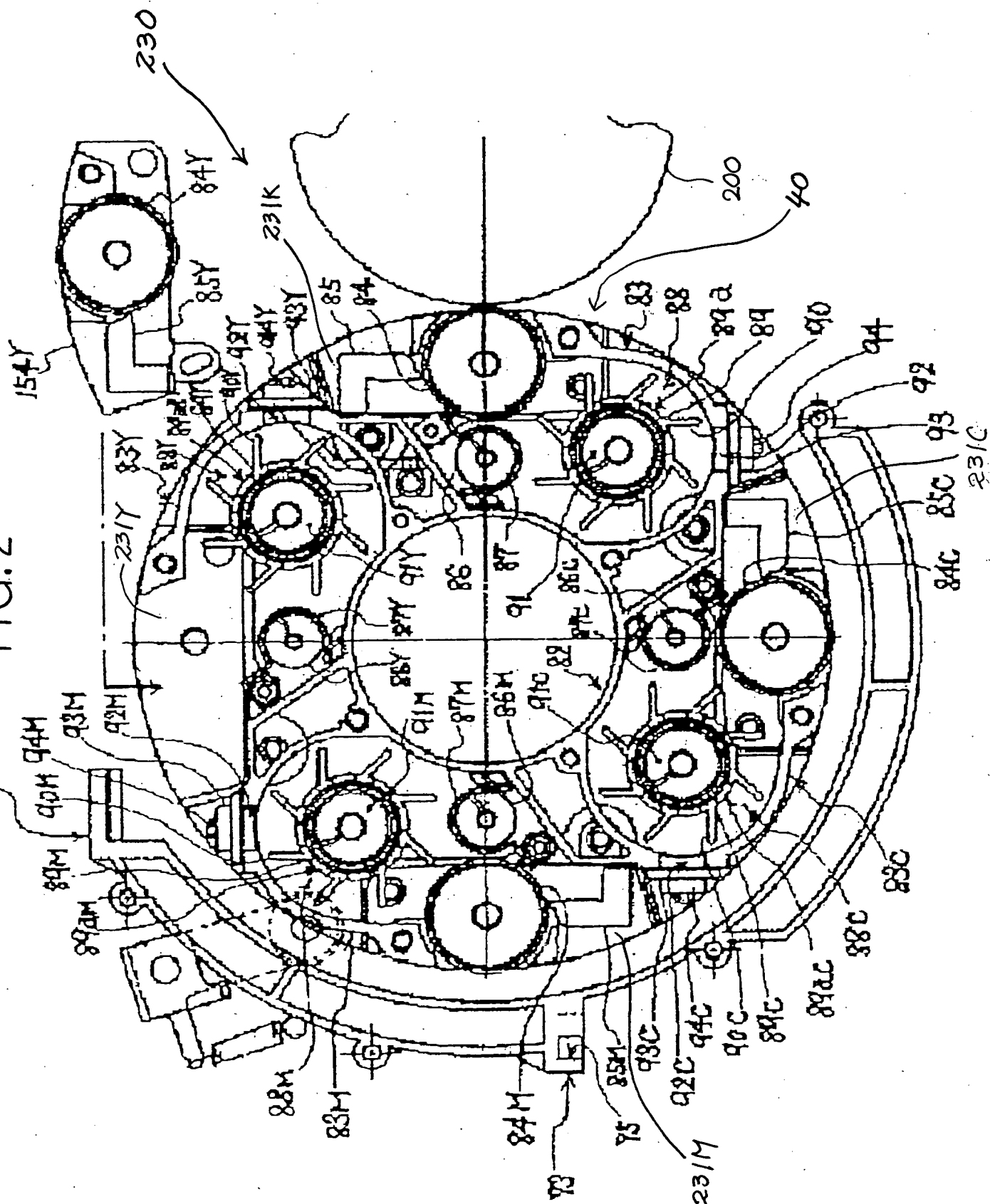


FIG. 3

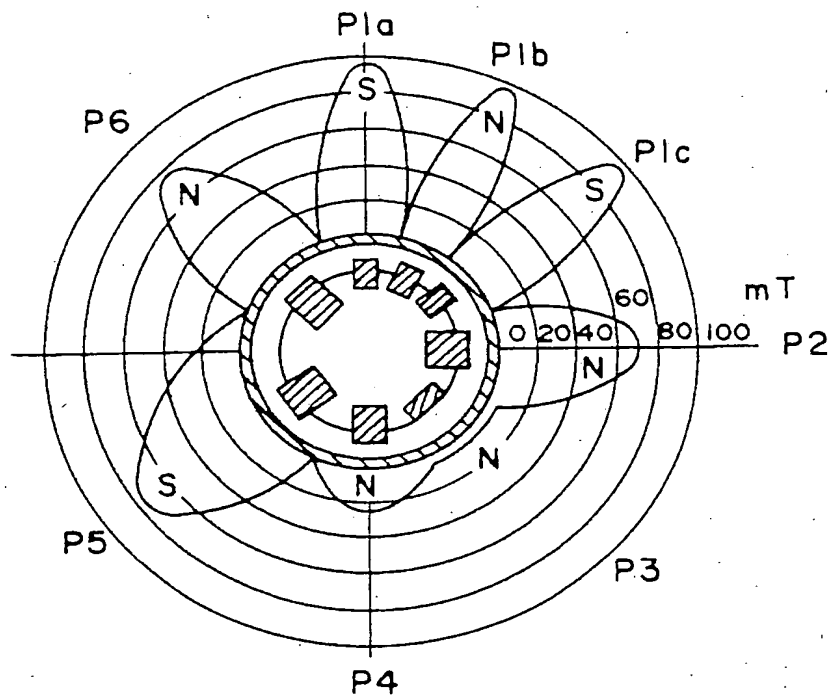


FIG. 3

FIG. 4

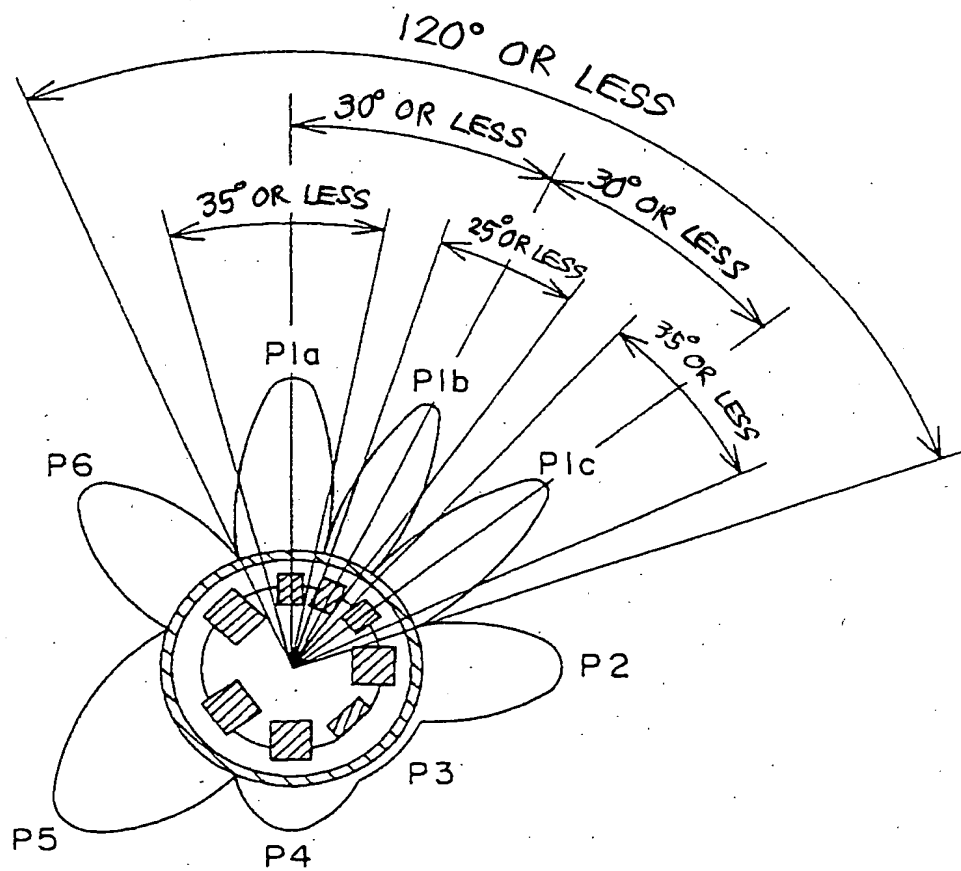
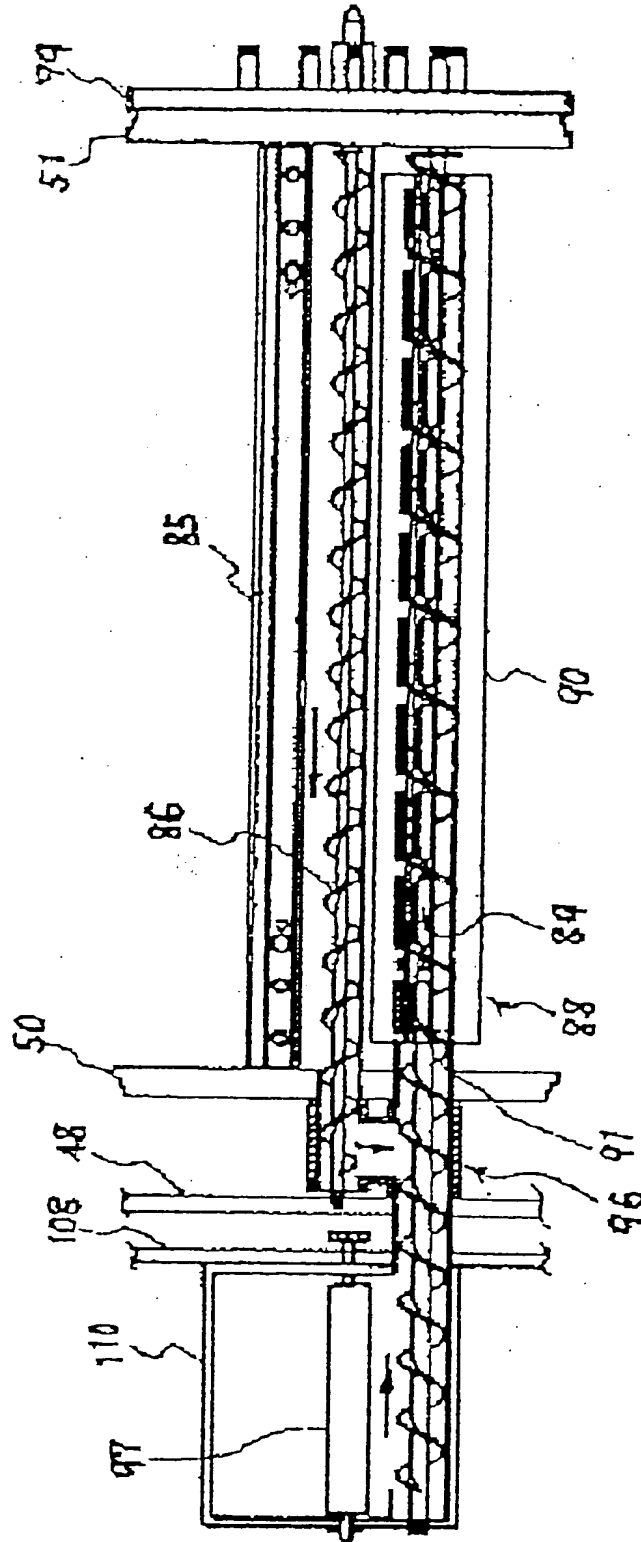


FIG. 4

FIG. 5



40

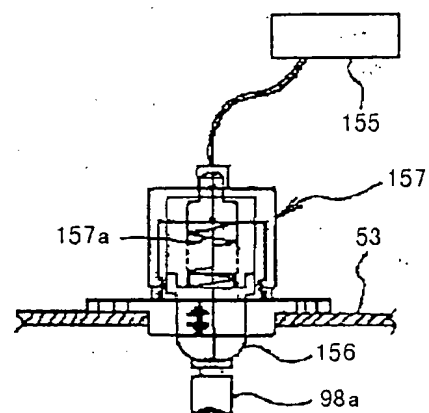


FIG. 7A

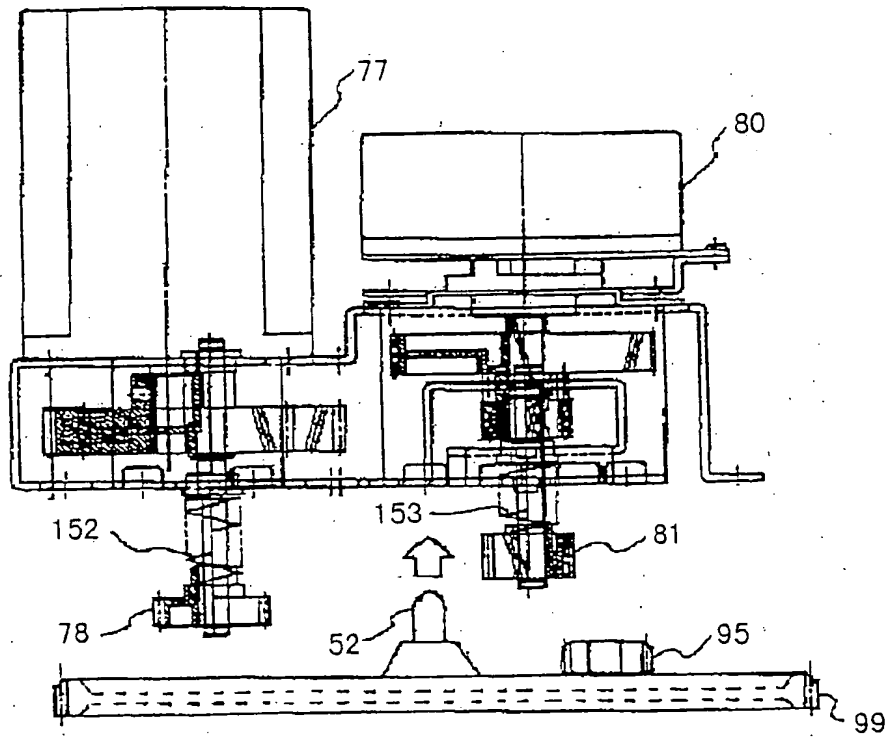


FIG. 7B

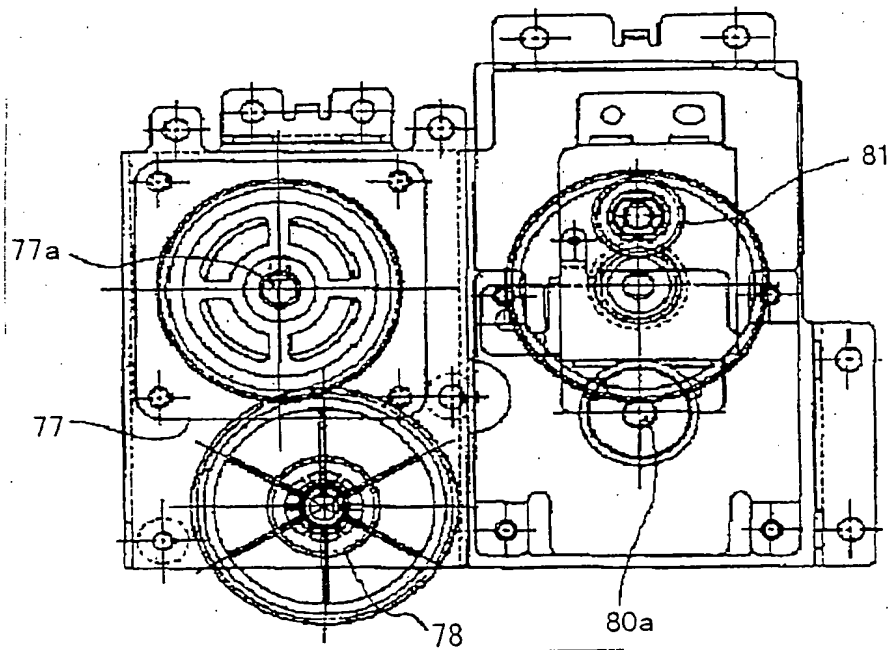


FIG. 8

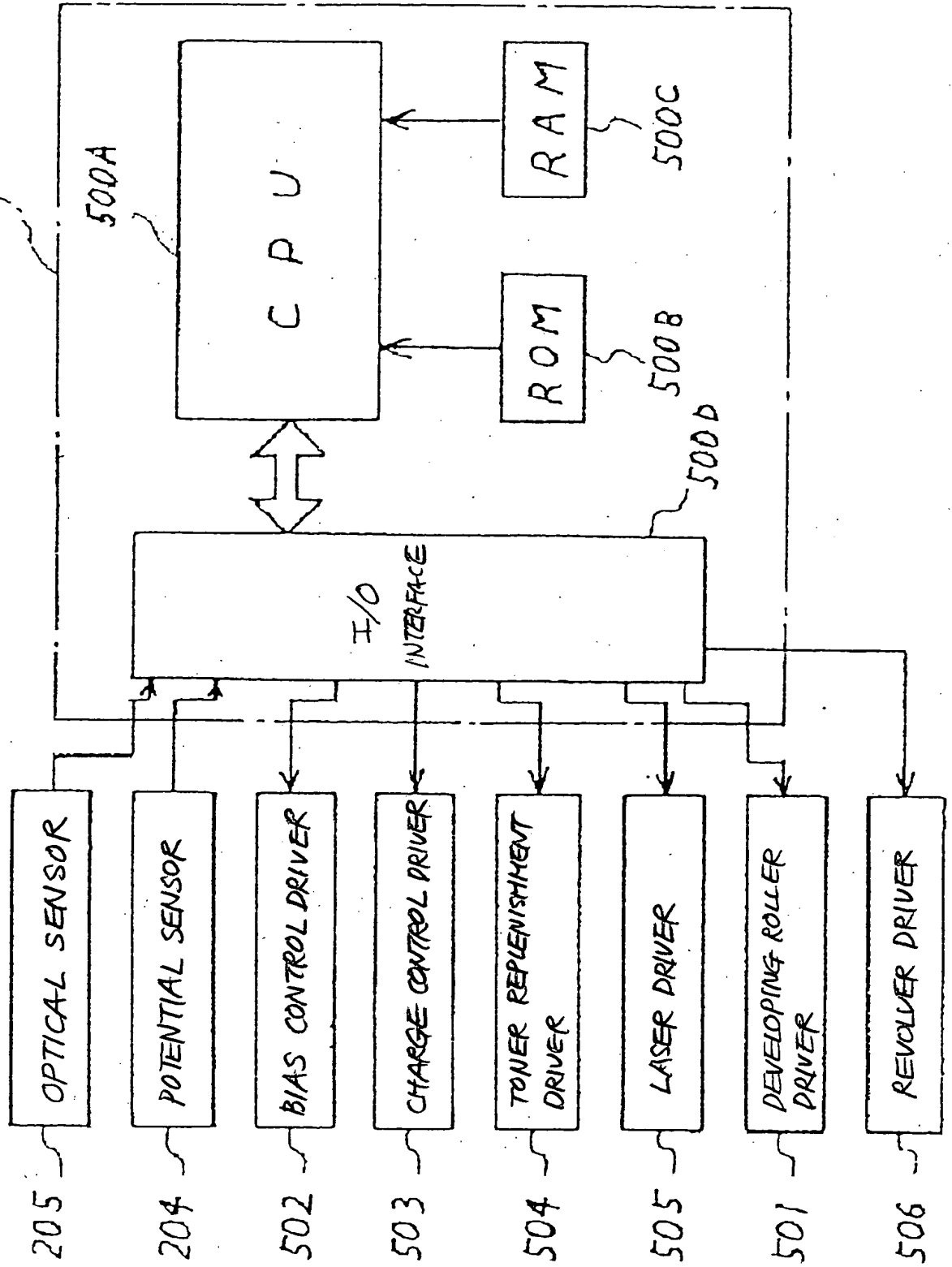


FIG. 9

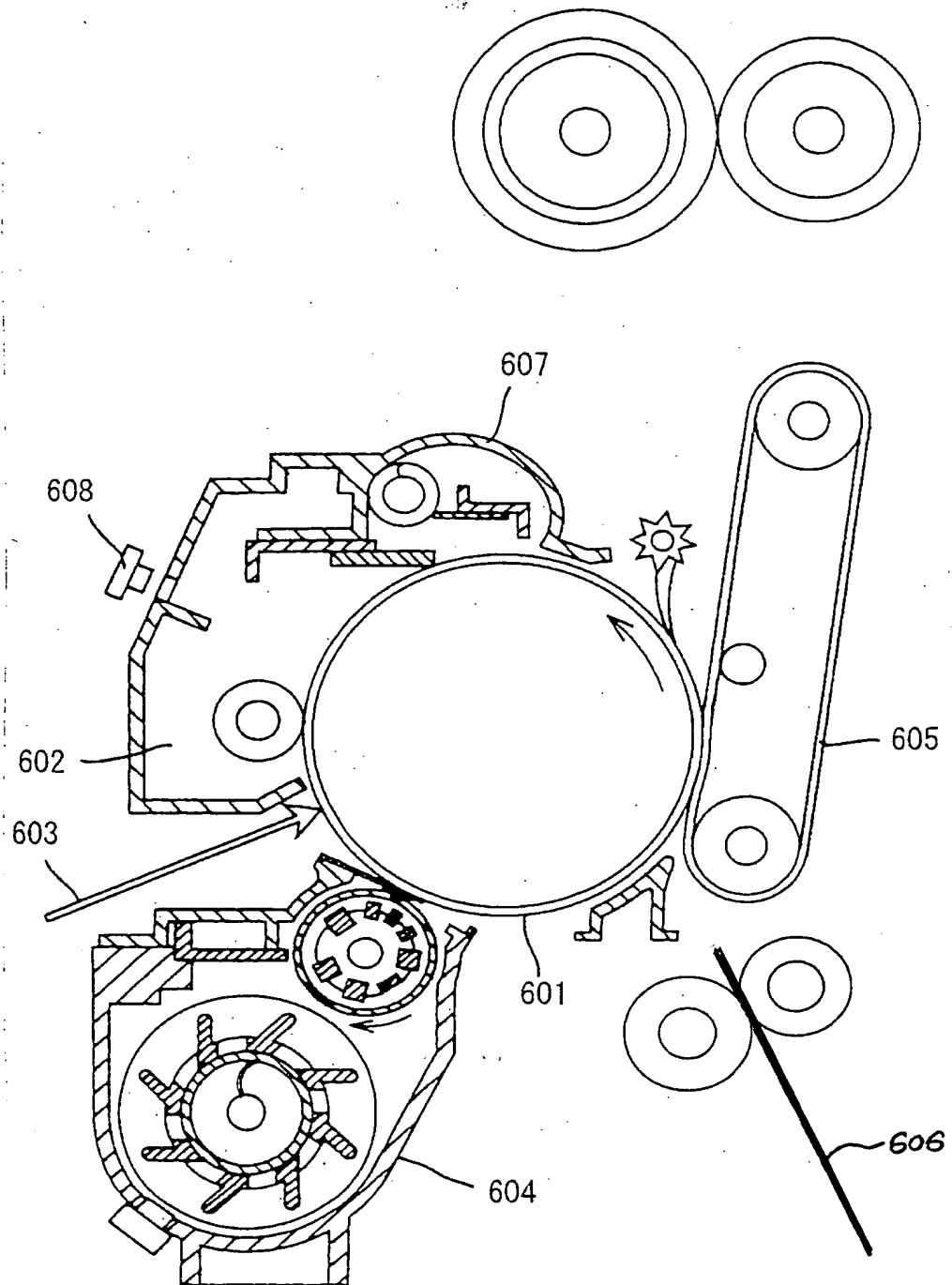


FIG. 10

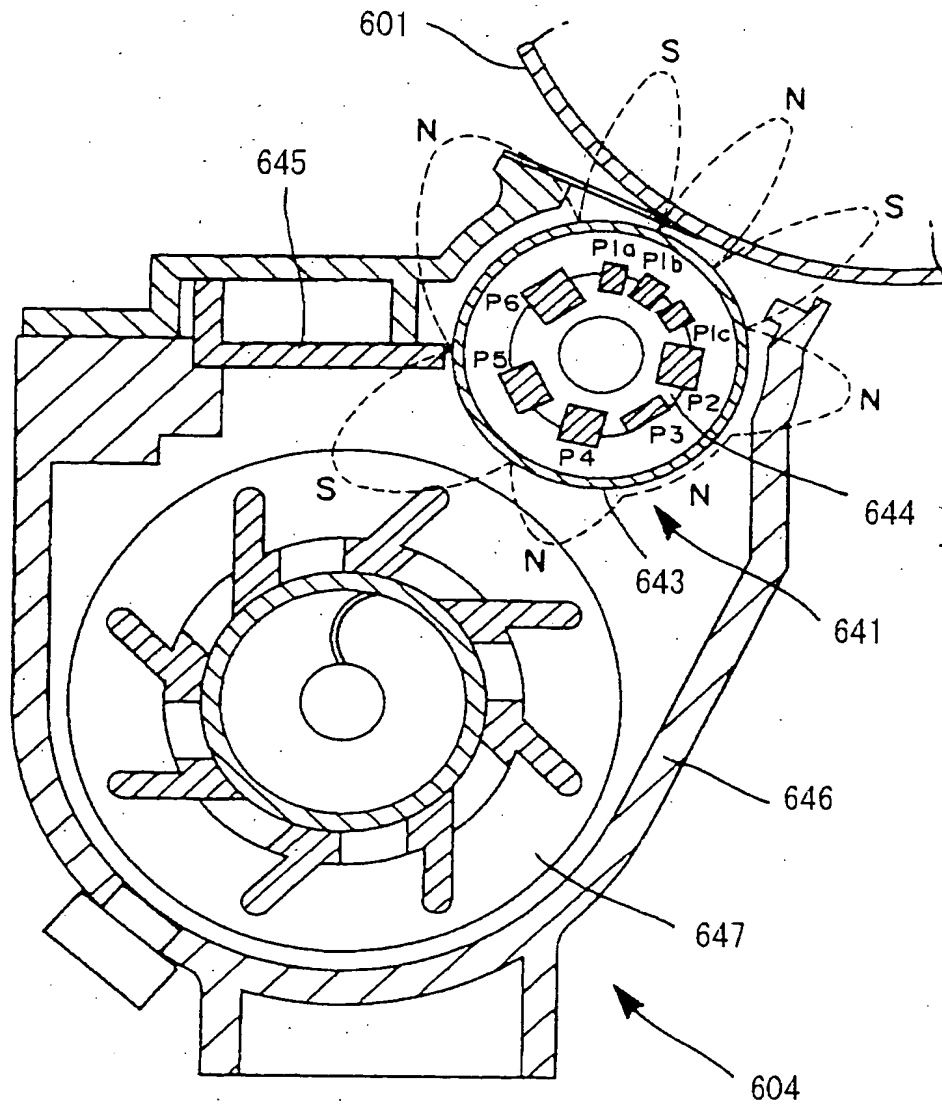


FIG. 11

No.	1	2	3	4	5	6	7	8	9	10
COPIER	MONOCHROMATIC COPIER				COLOR COPIER					
SLEEVE VELOCITY/ DRUM VELOCITY	2.5	2.5	2.5	1.3						
DRUM DIAMETER (mm)	30	60	90							
SLEEVE DIAMETER (mm)	16	20	30							
DEVELOPMENT GAP (mm)	0.4				0.4				0.35	
NIP (mm)	4	1.5	4	2	7	7	4	4	1.5	1.5
DISTANCE AT NIP BOUNDARY (mm)	0.79	0.45	0.67	0.47	0.95	0.95	0.58	0.58	0.42	0.42
BOUNDARY DISTANCE/ NIP DISTANCE	1.67	1.17	2.38	1.45	1.97	1.97	1.13	1.13	1.2	1.2
BIAS	DC -600V ONLY				*1	*2	*1	*2	*1	*2
OMISSION RANK	2.5	4.5	2.5	4.5	3	3	4.5	4.5	4.5	4.5
GRANULARITY RANK	2	2	2	2	3	2	4.5	2	4.5	2

*1: DC+AC, f 5kHz, DUTY 25%, OFFSET VOLTAGE -700V, PEAK VOLTAGE 800V
 *2: DC -500V ONLY

FIG. 12

FREQUENCY (kHz)	GRANULARITY RANK
0	2
0.5	3
1	3.75
2	4
2.25	4
2.5	4.25
3	4.5
3.5	4.5
4	4.75
4.5	4.5
5	4.5
5.5	4.5
6	4.5
7	4.5
9	4.5

FIG. 13

DUTY (%)	GRANULARITY RANK
10	4.75
15	4.75
20	4.75
25	4.75
30	4.75
35	4.75
40	4.75
45	4.25
50	4
60	3.5

FIG. 14

Gp [mm]	Gd [mm]	Gp/Gd	BIAS: DC-500V		BIAS: AC	
			GRANULARITY RANK	OMISSION RANK	GRANULARITY RANK	OMISSION RANK
0.35	0.75	0.466667	1.5	4	4.5	4
0.43	0.83	0.518072	1.5	4	4.5	4
0.35	0.63	0.555556	1.5	4	4	4
0.43	0.75	0.573333	1.5	4	4	4
0.5	0.83	0.60241	1.5	4	4	4
0.5	0.75	0.666667	1.5	4	4	4
0.35	0.52	0.673077	1	4	3.5	4
0.43	0.63	0.68254	1	4	3.5	4
0.43	0.52	0.826923	1	4	3	4
0.6	0.52	1.153846	1	4	2	4

FIG. 15

Gp [mm]	Gd [mm]	Gp / Gd	BIAS: DC-500V		BIAS: AC	f 4.5 kHz V _{pp} 800V DUTY 50%	
			GRANULARITY RANK	OMISSION RANK		GRANULARITY RANK	OMISSION RANK
0.35	0.75	0.466667	1	2	3.5	2	2
0.35	0.64	0.546875	1	2	3.5	2	2
0.4	0.64	0.625	1	2	3.5	2	2
0.45	0.56	0.803571	1	2	3.5	2	2
0.5	0.56	0.892857	1	2.5	3.5	2.5	2.5
0.6	0.85	0.705882	1	2.75	2	2.75	2.75
0.6	0.91	0.659341	1	2.75	2	2.75	2.75

FIG. 16

Gp [mm]	ρ [g/cm ³]	Gp / ρ	BIAS: DC-500V		BIAS: AC	f 4.5 kHz Vpp 800 V DUTY 50%
			GRANULARITY RANK	OMISSION RANK	GRANULARITY RANK	OMISSION RANK
0.35	0.065	5.384615	1.5	4	4.5	4
0.43	0.08	5.375	1.5	4	4.5	4
0.35	0.05	7	1.5	4	4	4
0.43	0.065	6.615385	1.5	4	4	4
0.5	0.08	6.25	1.5	4	4	4
0.5	0.065	7.692308	1.5	4	4	4
0.35	0.035	10	1	4	3.5	4
0.43	0.05	8.6	1	4	3.5	4
0.43	0.036	11.94444	1	4	3	4
0.6	0.035	17.14286	1	4	2	4

FIG. 17

Gp [mm]	ρ [g/cm ²]	Gp / ρ	BIAS: DC -500V		BIAS: AC	f 4.5kHz Vpp 800V DUTY 50%	
			GRANULARITY RANK	OMISSION RANK		GRANULARITY RANK	OMISSION RANK
0.35	0.065	5.384615	1	2	3.5	2	2
0.35	0.05	7	1	2	3.5	2	2
0.4	0.05	8	1	2	3.5	2	2
0.45	0.04	11.25	1	2	3.5	2	2
0.5	0.04	12.5	1	2.5	3.5	2.5	2.5
0.6	0.076	7.894737	1	2.75	2	2.75	2.75
0.6	0.085	7.058824	1	2.75	2	2.75	2.75